

INTERNATIONAL SEARCH REPORT

GB2004/002922

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A01K67/027

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EHRENSING R H ET AL: "SIMILAR ANTAGONISM OF MORPHINE ANALGESIA BY MIF-1 PROLYLLEUCYL GLYCINAMIDE AND NALOXONE IN CARASSIUS-AURATUS" PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR, vol. 17, no. 4, 1982, pages 757-761, XP002300355 ISSN: 0091-3057 page 757 -page 758	27,29-32
T	GOLDSMITH PAUL: "Zebrafish as a pharmacological tool: the how, why and when." CURRENT OPINION IN PHARMACOLOGY. OCT 2004, vol. 4, no. 5, October 2004 (2004-10), pages 504-512, XP002300356 ISSN: 1471-4892	27
	--- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

12 October 2004

Date of mailing of the international search report

26/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Espen, J

INTERNATIONAL SEARCH REPORT

GB2004/002922

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NUNEZ V GONZALEZ ET AL: "Characterization of zebrafish proenkephalin reveals novel opioid sequences." MOLECULAR BRAIN RESEARCH, vol. 114, no. 1, 26 May 2003 (2003-05-26), pages 31-39, XP002300357 ISSN: 0169-328X ---	
A	WO 03/048356 A (DANIOLABS LTD ; GOLDSMITH PAUL (GB)) 12 June 2003 (2003-06-12) ---	
A	WO 02/082043 A (ZYGOGEN LLC) 17 October 2002 (2002-10-17) ---	
A	WO 01/40273 A (UCKUN FATIH M ; PARKER HUGHES INST (US)) 7 June 2001 (2001-06-07) ---	
A	RUBINSTEIN AMY L: "Zebrafish: from disease modeling to drug discovery." CURRENT OPINION IN DRUG DISCOVERY & DEVELOPMENT. MAR 2003, vol. 6, no. 2, March 2003 (2003-03), pages 218-223, XP002300358 ISSN: 1367-6733 ---	
P,A	GONZALEZ-NUNEZ V ET AL: "Cloning and characterization of a full-length pronociceptin in zebrafish: evidence of the existence of two different nociceptin sequences in the same precursor" BIOCHIMICA ET BIOPHYSICA ACTA . GENE STRUCTURE AND EXPRESSION, ELSEVIER, AMSTERDAM, NL, vol. 1629, no. 1-3, 1 October 2003 (2003-10-01), pages 114-118, XP004460870 ISSN: 0167-4781 ---	
P,A	GONZALEZ-NUNEZ VERONICA ET AL: "Identification of two proopiomelanocortin genes in zebrafish (Danio rerio)." MOLECULAR BRAIN RESEARCH, vol. 120, no. 1, 12 December 2003 (2003-12-12), pages 1-8, XP002300359 ISSN: 0169-328X ---	

	-/--	

INTERNATIONAL SEARCH REPORT

GB2004/002922

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BARRALLO ALEJANDRO ET AL: "Cloning, molecular characterization, and distribution of a gene homologous to delta opioid receptor from zebrafish (Danio rerio)"</p> <p>BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 245, no. 2, 17 April 1998 (1998-04-17), pages 544-548, XP002300360 ISSN: 0006-291X</p> <p>---</p>	
A	<p>BARRALLO ALEJANDRO ET AL: "ZFOR2, a new opioid receptor-like gene from the teleost zebrafish (Danio rerio)"</p> <p>MOLECULAR BRAIN RESEARCH, vol. 84, no. 1-2, 8 December 2000 (2000-12-08), pages 1-6, XP002300361 ISSN: 0169-328X</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

GB2004/002922

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03048356	A	12-06-2003	GB 2382579 A EP 1456375 A1 WO 03048356 A1	04-06-2003 15-09-2004 12-06-2003
WO 02082043	A	17-10-2002	CA 2443364 A1 EP 1379868 A2 WO 02082043 A2 US 2002187921 A1	17-10-2002 14-01-2004 17-10-2002 12-12-2002
WO 0140273	A	07-06-2001	AU 1939901 A WO 0140273 A2 US 2003028909 A1	12-06-2001 07-06-2001 06-02-2003